

FIG. 1

20

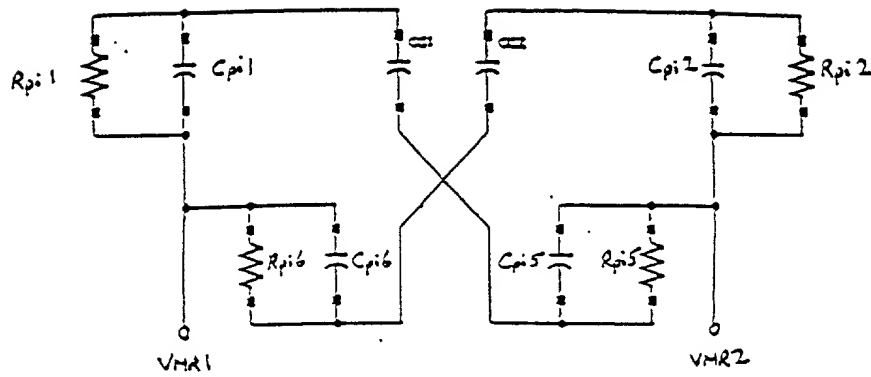
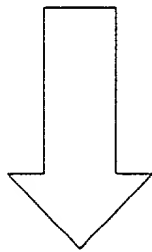


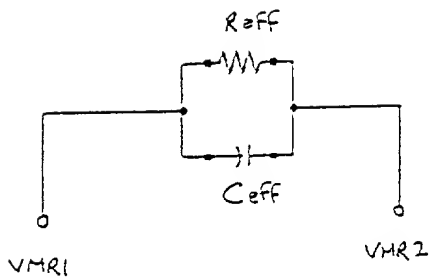
FIG. 2a

Equivalent Input Circuit

$$\begin{aligned} CC1 &>> C_{pi1} \text{ \& } CC1 >> C_{pi2} \\ CC2 &>> C_{pi1} \text{ \& } CC2 >> C_{pi2} \\ CC1 &>> C_{pi5} \text{ \& } CC1 >> C_{pi6} \\ CC2 &>> C_{pi5} \text{ \& } CC2 >> C_{pi6} \end{aligned}$$



22



$$\begin{aligned} R_{eff} &= R_e \parallel R_{pi1} \simeq R_e \\ C_{eff} &= (3 \cdot C_{pi1})/2 \end{aligned}$$

FIG. 2b

Simplified Circuit

30

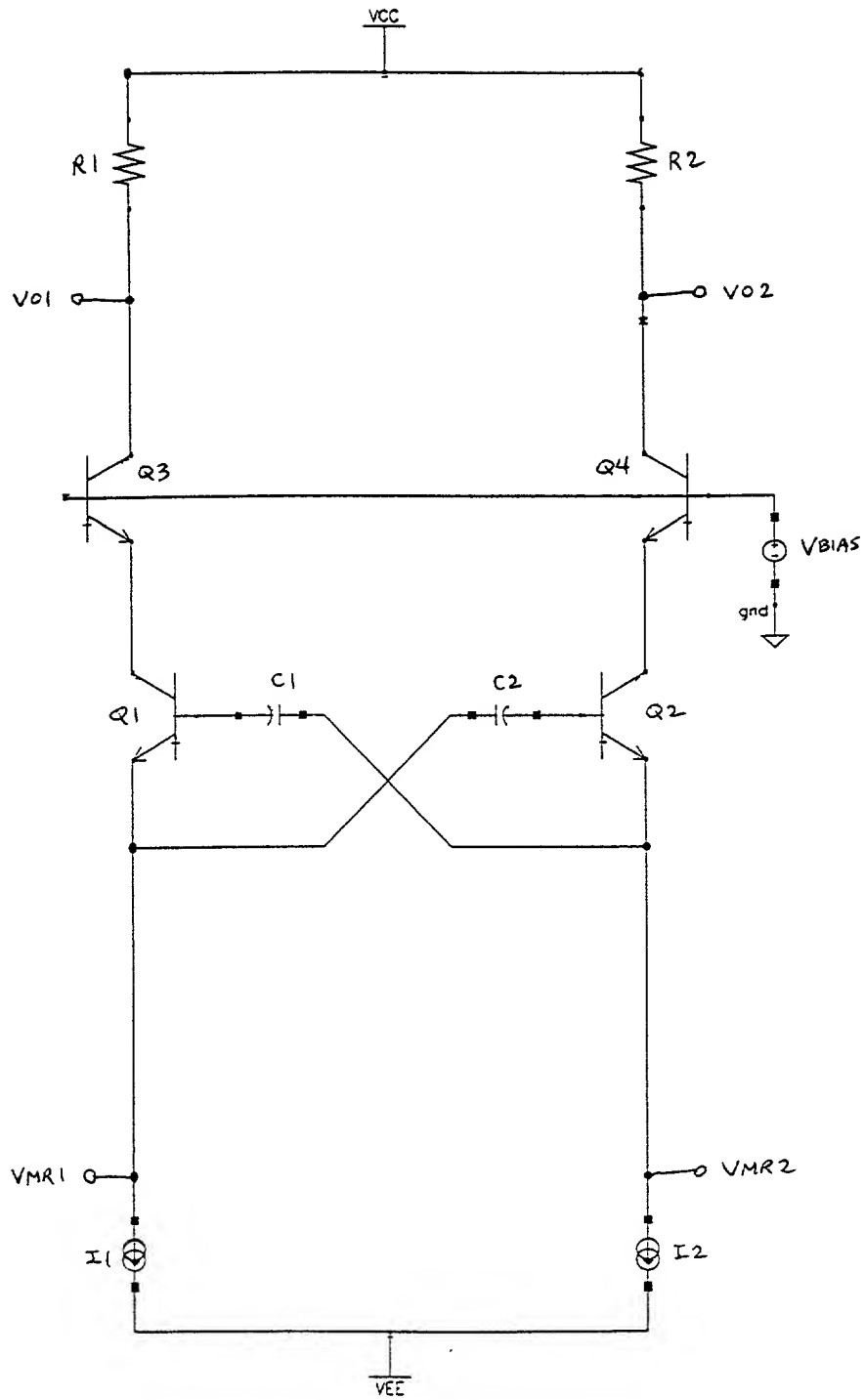


FIG. 3

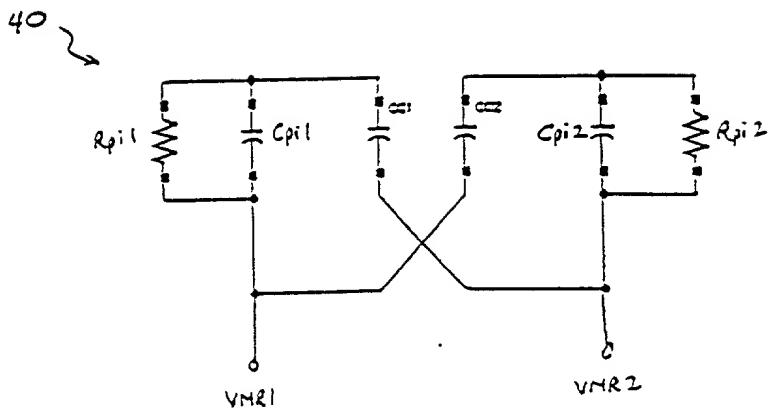


FIG. 4a

PRIOR ART

Equivalent Input Circuit

$$\begin{aligned} CC1 &\gg Cpi1 \text{ \& } CC1 \gg Cpi2 \\ CC2 &\gg Cpi1 \text{ \& } CC2 \gg Cpi2 \end{aligned}$$

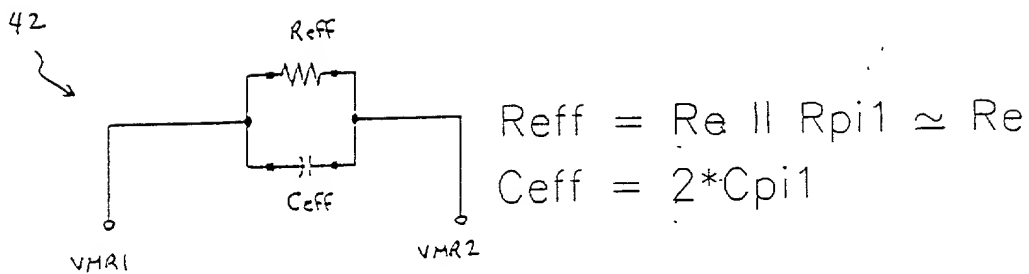
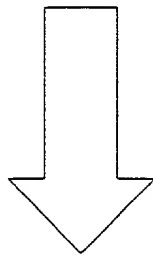


FIG. 4b

PRIOR ART

Simplified Circuit

FREQUENCY RESPONSE

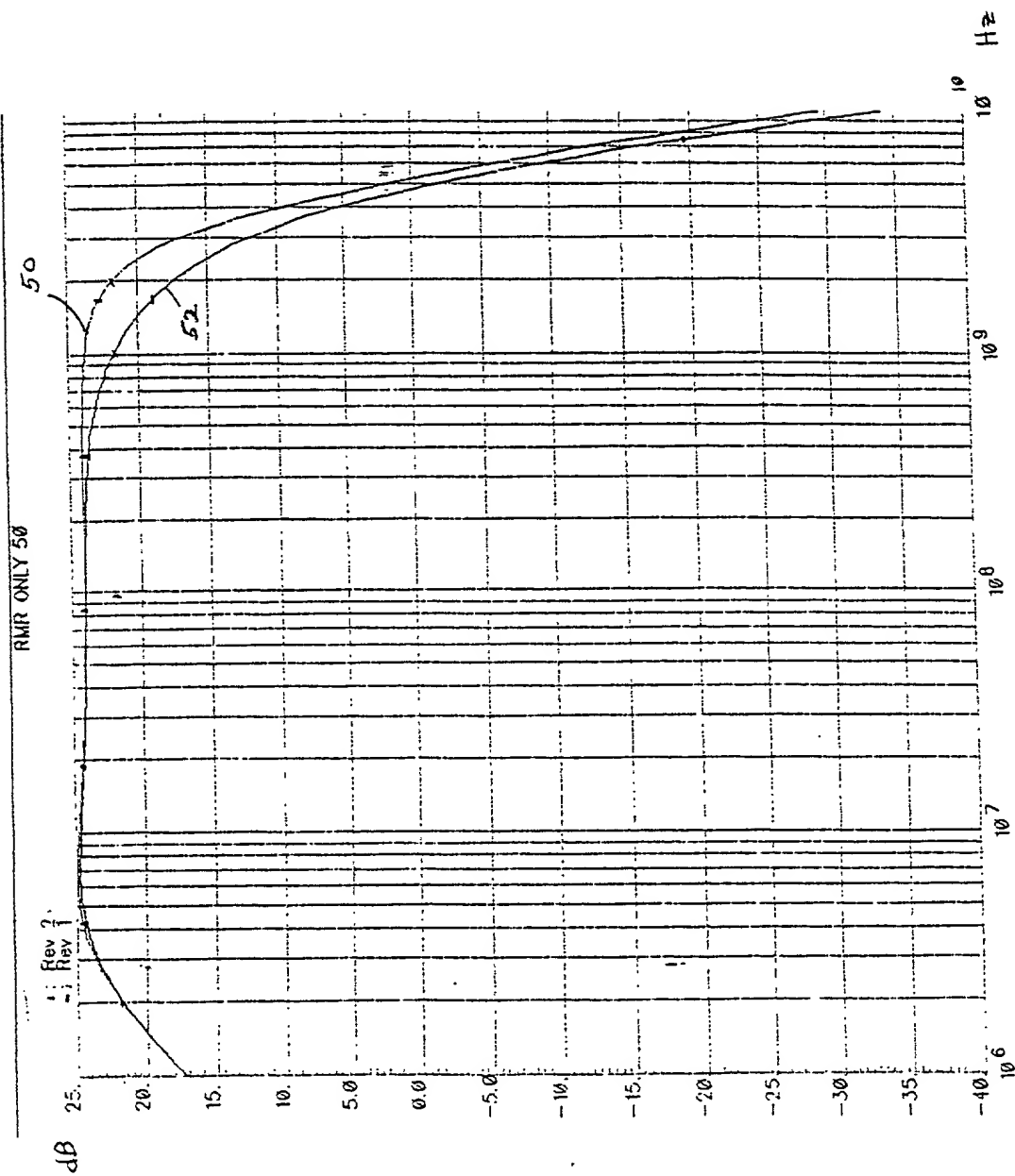


FIG. 5

NOISE

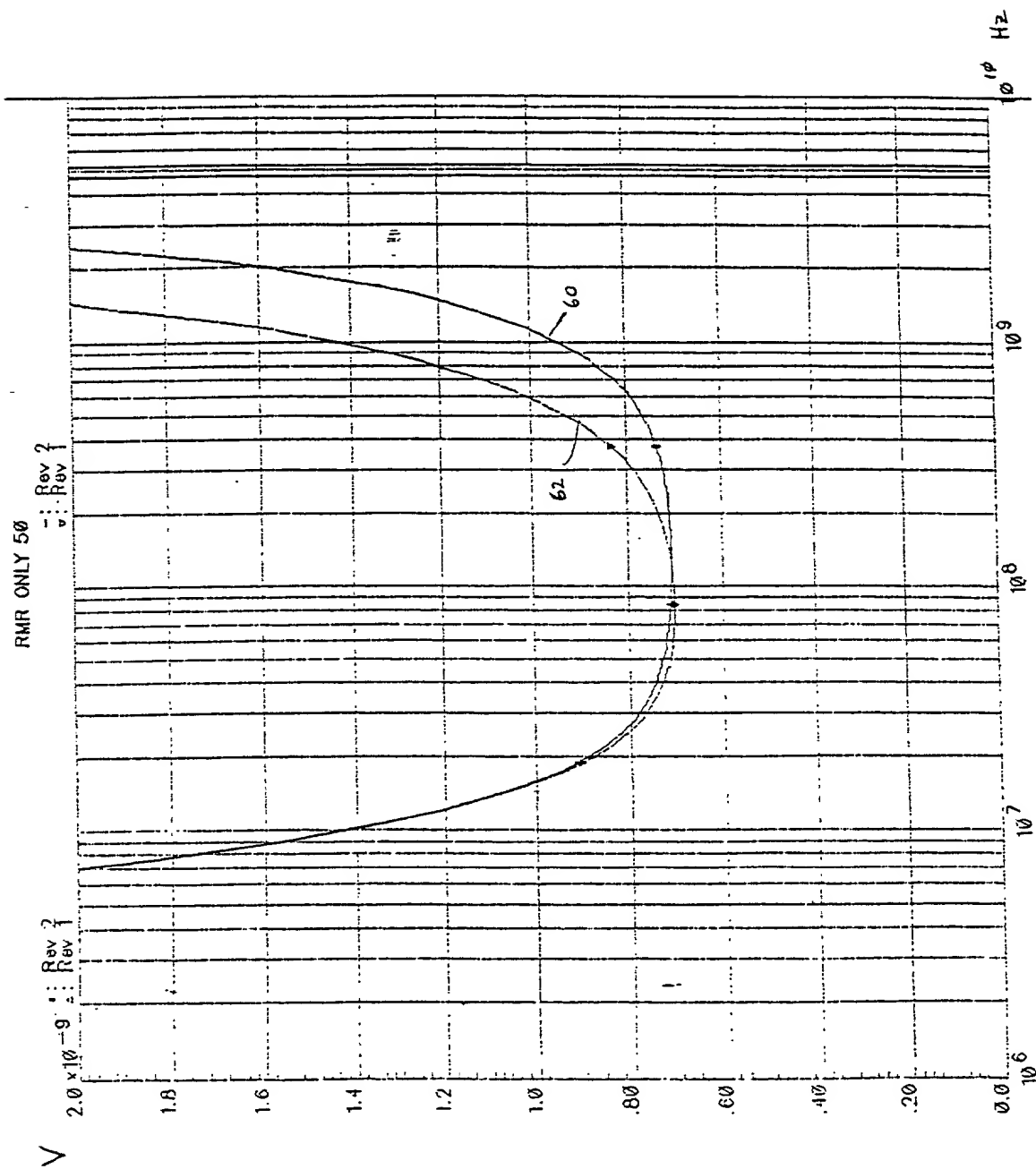


FIG. 6